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(54) Title: EXPRESSION OF THE HUMAN IGF-1 IN TRANSGENIC PLASTIDS

A. Native IGF-1

ggaccggagacgctctgctggggctgagctggtggtgctcttcagttcgtgtggagacaggggctttattcaacaagccccacagg
gtatggctccagcagtcggagggcgctcagacaggcatcgtggatgagtgctgctccggagctgtgatctaaggaggctggagatg
tattgcgcaccctcaagcctgccaagtcagct

B. Synthetic IGF-1

ggctcgaacittatgtggtgctgaattagtagatgctttacaattcgtatgtggatcgtgttctattcaacaaacctactggttacggt
tcttctctcgtcgtgctcctcaaacgtgattgtagatgaattgttccggttctgtgatttacgtcgttagaaatgtagtgccttcttaaaa
cctgctaattcgt

(57) Abstract: A plastid transformation vector for a stably transforming a plastid genome, comprising, as operably-linked compo-
nents, a first flanking sequence, a DNA sequence coding for synthetic insulin-like growth factor-1 (IGF-1s) (seek ID NO. 1) or a
substantially homologous DNA sequence of IGF-1s, which is capable of expression in the plastid genome, and a second flanking
sequence.